



United States Steel Corporation
Clairton Works
400 State Street
Clairton, PA 15025-1855

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May 13, 2002

Air Protection Division (3AP22)

Dr. Roger C. Westman
Department of Air Quality
Bureau of Air Pollution Control
301 Thirty-Ninth Street
Pittsburgh, PA 15201

U.S. Environmental Protection Agency
Region III
Air, Radiation & Toxics Division
1650 Arch Street
Philadelphia, PA 19103-2029
ATTN: James W. Hagedorn (3AT23)

Assistant Council
Department of Environmental Protection
Southwest Region
400 Waterfront Drive
Pittsburgh, PA 15222-4745
ATTN: Ward Kelsey, Esq.

Department of Justice
Environmental and Natural Resource Division
Environmental Enforcement Section
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044
ATTN: David Street, Esq.

Subject: USS Reference Number: 02-0058
100 & 600 Carbonate Units
USS Clairton Works

Gentlemen:

The attached form confirms our verbal report of the subject incident. Any questions concerning this matter should be referred to Coleen M. Davis at 233-1015.

Sincerely,

R. R. Terza
General Manager
Clairton Works Raw Materials

NOTICE OF OUTAGE OF EQUIPMENT
ARTICLE XXI - SECTION 2108.1

1. USS Reference Number: 02-0058
2. Date & Time of Breakdown: Date: 05/13/02 Time: 1045 hours
3. Company Name: U.S. Steel Corporation - USS Clairton Works
4. Specific Equipment Involved or Affected: 100 & 600 Carbonate Units
5. BAPC Permit Number (if applicable):
6. Location: Clairton, PA
7. Nature and cause of breakdown: Coke Oven Gas was passed through the Sulfur Plant. Debris plugged the exchangers of the 100 & 600 Carbonate Units' Process Water Coolers which inhibited their ability to adequately cool the acid gases before entering the vacuum axis.
8. Identification of Emissions:
 - A. Type(s) (CO, NOX, SO₂, Particulates, Hydrocarbons, etc.)
Elevated H₂S in the down river gas line system, causing increased SO₂ at point of combustion. The 40 grain limit is not expected to be exceeded.
 - B. Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). SO₂ is an eye, nose, and throat irritant.
 - C. Amount of each type emitted (or likely to be emitted).
No environmental impact is expected. The 40 grain limit is not expected to be exceeded.
9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).
The 600 Unit Process Water Cooler was cleared of the debris and the facility was brought back on line.
10. Facility back in operation - Date: 05/13/02 Time: 1220 hours

Signature

Coleen M. Davis

Date

5/13/02

Coleen M. Davis

Environmental Control Engineer

Phone: 233-1015